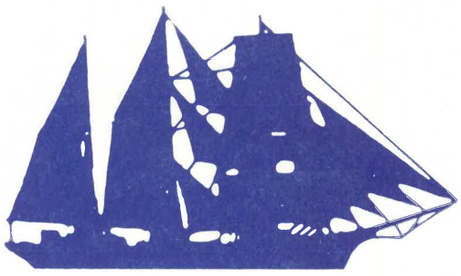

REGINA MARIS

The Ocean Research and Education Society, Inc.

19 Harbor Loop
Gloucester, Massachusetts 01930
(617) 283-1475

1983-1984 Expedition Schedule

Sail and Study Semesters are designed as alternative educational programs for college students interested in the marine world. As a part of their undergraduate education students receive a full college semester's credit (15 credits) for courses offered on these twelve week expeditions. Students first spend six weeks at a shore based classroom and laboratory facility in Gloucester, Massachusetts, in preparation for the next six weeks aboard ORV Regina Maris. Courses taught during the program are: Marine Mammal Biology and Lab, Introduction to Oceanography and Lab, Integrating Seminar (history of oceanography and current marine issues) and Nautical Science. Aboard the ship students act as research assistants, gaining experience in field research methods while also attending ship-board lectures. Tuition for the Sail and Study Semester is $4,900 and includes credit fees, instruction on shore and ship, and all living expenses for the ship segment. Housing during the shore portion and transportation to and from the ship are not included in the tuition. However, we can help students make housing arrangements for about $75 per week and, when available, will offer group rate transportation to the ship.

Expedition 45S
Humpback Whales &
Ocean Ecology
Feb. 7-May 4, 1983
Puerto Plata, Dominican
Republic-Newport, RI

Expedition 47S
Humpback & Right Whales
March 28-June 17, 1983
Newport, RI-Gloucester, MA

Expedition 48S
Humpback Whales, Greenland
May 23-Aug. 22, 1983
Gloucester, MA-Greenland

Expedition 49S
Coral Reef Ecology
Aug. 29-Nov. 23, 1983
Gloucester, MA-San Juan
Puerto Rico

Expedition 50S
Caribbean Small Cetacea
Oct. 17, 1983-Jan. 18, 1984
San Juan, PR-Puerto Plata,
Dominican Republic

Expedition 51S
Evolution & Adaptation,
Galapagos Islds.
Dec. 27-March 21, 1984
Panama-Puntarenas,
Costa Rica

Expedition 52S
Island Ecology, Cocos Islds.
Feb. 13-May 9, 1984
Puntarenas, Costa Rica-
Panama

Expedition 53S
Open Ocean Habitats &
Turtles
April 2-June 23, 1984
Panama-Gloucester, MA

Expedition 54S
Humpback Whales
May 28-Aug. 22, 1984
Gloucester, MA-St. Johns,
Newfoundland

Expedition 45S

After six weeks at the shore facility in Gloucester, Massachusetts, students will board Regina Maris in Puerto Plata, Dominican Republic. Students and scientists aboard Regina Maris will continue census and photographic identification of humpback whales as they begin to migrate from Caribbean breeding grounds to feeding areas in the north. Then the ship will head north, stopping at several of the Bahama Islands to explore their flora and fauna. If time permits, surveys will be made on right whales and humpback whales on George's Bank before the voyage ends in Newport.

Expedition 47S

Upon completion of the shore program students will commence a six week field study aboard Regina Maris. George's Bank, Stellwagen Bank, and other areas in the Gulf of Maine and Bay of Fundy will be visited while conducting studies on the distribution, feeding and photographic identification of humpback whales and right whales. Surveys will also be made of other marine mammals in the study area.

Expedition 48S

Following the six week shore segment, students will board Regina Maris in Gloucester, Massachusetts. Participants will conduct surveys for whales along the coasts of Nova Scotia, Newfoundland, Labrador and Greenland. Anticipated species are: fin whales, humpback whales, sei whales, minke whales, sperm whales, killer whales and pilot whales. Research will focus on the completion of our three year study of the feeding ecology and photographic identification of humpback whales in western Greenland waters. Students have the option of leaving the ship either in Godthaab, Greenland, on August 22 or in St. John's, Newfoundland, on September 1.

Expedition 49S

After the classes on shore, students will join Regina Maris for a voyage to the warmer waters of the Caribbean. The ship will stop in Bermuda where students will take part in a tropical marine ecology course at the Bermuda Biological Station at St. George's. Then the ship will sail south through the Sargasso Sea where students will sample this unique ecosystem. The final weeks will be spent in the Virgin Islands, examining and sampling coral reefs and associated marine systems.

Expedition 50S

For years there has been a harvest of small cetacea for human consumption in the southern islands of the Lesser Antilles. Dolphins, pilot whales and occasional Orca, as well as humpback and sperm whales, are taken by local fishermen in open boats. The purpose of the research conducted aboard Regina Maris will be to learn how important this harvest may be to the Islanders and what impact it has on the affected marine mammal populations.

Expedition 51S

Nutrient-rich upwellings of the Cromwell Current create an abundant marine environment for diverse seabird populations including penguins, boobys and pelicans. The Galapagos Islands provide these species with ideal predator-free nesting sites. After the shore classes, students will continue our research begun in 1978 to gather data on the effect of the changing Cromwell upwellings on populations, breeding site use, and breeding success.

Expedition 52S

Following shore courses, students will join Regina Maris to study the ecology of Cocos Island, a remote, uninhabited Pacific island made famous by Robert Lewis Stevenson in "Treasure Island." This unique and largely unstudied island supports many indigenous species of plants and animals. Students will examine the question of how many species there are and how they have evolved differently from their counterparts elsewhere.

Expedition 53S

The shore classes will prepare students for two studies to be conducted aboard the ship. First, participants will look for endangered juvenile sea turtles along the reefs off the east coast of Central America. We hope to determine if this is truly a habitat for these animals whose exact whereabouts during the first years of life are unknown. Second, students will investigate the ecology of the Gulf Stream from its origin off Key West, Florida, northward along the Atlantic coast. Many species from plankton to sharks utilize this warm oceanic "river."

Expedition 54S

Upon joining the ship in Gloucester after the shore program, students will commence surveys of whale species along the coasts of New England, Nova Scotia, Newfoundland and Labrador. Research will focus on the feeding ecology and photographic identification of humpback whales that migrate to these biologically rich waters to feed in summer months.

SPECIAL EXPEDITIONS

The Society also offers special short expeditions concentrating on various areas of our ongoing research. These programs range in length from ten days to six weeks. For more information please see our "Special Expedition" schedule or call the ORES office.

Dates of embarkation and ports of call are all subject to change with little notice.

The Society does not discriminate with respect to race, color, sex, creed, or religious beliefs. All student applications are reviewed impartially and all decisions are based on information provided.

All students have the opportunity to participate fully in the routine operation of the ship by standing watches, going aloft to set or stow sails, helping with the maintenance and cleaning of the ship as well as attending lectures and assisting the scientists in primary data collection, whale observations and oceanographic sample collection.